



SEQUENCE LISTING

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<120> RPS2 GENE FAMILY, PRIMERS, PROBES, AND
DETECTION METHODS

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<140> US 10/613,472

<141> 2003-07-02

<150> US 09/867,852

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<150> US 09/310,912

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<150> US 09/301,085

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          35           40           45
Glu Thr Arg Ala Leu Leu Ala Thr Lys Thr Val Leu Gly Arg His Lys
          50           55           60
Ile Glu Val Pro Ala Phe Gly Gly Trp Phe Lys Lys Lys Ser Ser Lys
65           70           75           80
His Glu Thr Gly Gly Ser Ser Ala Asn Ala Asp Ser Ser Ser Val Ala
          85           90           95
Ser Asp Ser Thr Glu Lys Pro Leu Phe Arg Leu Thr His Val Pro Tyr
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Val Ser Gln Gly Asn Glu Arg Met Gly Cys Trp Tyr Ala Cys Ala Arg
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Met Val Gly His Ser Val Glu Ala Gly Pro Arg Leu Gly Leu Pro Glu
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Leu Tyr Glu Gly Arg Glu Ala Pro Ala Gly Leu Gln Asp Phe Ser Asp
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Val Glu Arg Phe Ile His Asn Glu Gly Leu Thr Arg Val Asp Leu Pro
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Asp Asn Glu Arg Phe Thr His Glu Glu Leu Gly Ala Leu Leu Tyr Lys
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His Gly Pro Ile Ile Phe Gly Trp Lys Thr Pro Asn Asp Ser Trp His
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Met Ser Val Leu Thr Gly Val Asp Lys Glu Thr Ser Ser Ile Thr Phe
          210          215          220
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Ser	Lys	Trp	Cys	Leu	Met	Glu	Leu	Ala	Glu	Ile	Val	Arg	Arg	Gln	Glu
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His	Ala	Asn	Lys	Phe	Asp	Gly	Gln	Thr	Ile	Gln	Asn	Trp	Lys	Asp	Ala
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Leu	Lys	Lys	Val	Gly	Asp	Leu	Lys	Gly	Trp	His	Ile	Gly	Lys	Asn	Asp
		195					200					205			
Lys	Gln	Gly	Ala	Ile	Ala	Asp	Lys	Val	Ser	Ala	Asp	Ile	Trp	Ser	His
	210					215					220				
Ile	Ser	Lys	Glu	Asn	Leu	Ile	Leu	Glu	Thr	Asp	Glu	Leu	Val	Gly	Ile
225				230						235					240
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				245					250					255	
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Glu	Arg	Val	Ser	Arg	Phe	Lys	Ile	Leu	Val	Val	Leu	Asp	Asp	Val	Asp
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Glu	Lys	Phe	Lys	Phe	Glu	Asp	Met	Leu	Gly	Ser	Pro	Lys	Asp	Phe	Ile
		355					360					365			
Ser	Gln	Ser	Arg	Phe	Ile	Ile	Thr	Ser	Arg	Ser	Met	Arg	Val	Leu	Gly
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				405					410					415	
Thr	Pro	Pro	Ser	Tyr	Tyr	Glu	Thr	Leu	Ala	Asn	Asp	Val	Val	Asp	
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625					630					635					640
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Arg	His	Met	Met	Lys	Met	Ala	Glu	Arg	Leu	Lys	Val	Val	Arg	Leu	Ala
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	690					695					700				
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Lys	Pro	Cys	Pro	Ile	Gln	Lys	Ile	Ser	Gly	Gly	Thr	Phe	Gly	Met	Leu
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	755						760					765			
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Lys	Thr	Gly	Ala	Lys	Glu	Val	Glu	Ile	Asn	Glu	Phe	Pro	Leu	Gly	Leu
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Leu	Leu	Pro	Thr	Ser	Leu	Thr	Tyr	Leu	Lys	Ile	Tyr	Gln	Cys	Thr	Glu
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 Gln Gly Leu Arg Ser Leu Glu Ile Leu Arg Ile Arg Lys Val Asn Gly
 930 935 940
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Ser	Lys	Val	Trp	Arg	Lys	Asp	Leu	Leu	Glu	Ser	Ser	Ser	Ile	Arg	Arg
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Leu	Ala	Glu	Ile	Val	Ser	Lys	Cys	Gly	Gly	Leu	Pro	Leu	Ala	Leu	
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Ile	Thr	Leu	Gly	Gly	Ala	Met	Ala	His	Arg	Glu	Thr	Glu	Glu	Glu	Trp
	355						360					365			

Ile	His	Ala	Ser	Glu	Val	Leu	Thr	Arg	Phe	Pro	Ala	Glu	Met	Lys	Gly	370	375	380
Met	Asn	Tyr	Val	Phe	Ala	Leu	Leu	Lys	Phe	Ser	Tyr	Asp	Asn	Leu	Glu	385	390	395
Ser	Asp	Leu	Leu	Arg	Ser	Cys	Phe	Leu	Tyr	Cys	Ala	Leu	Phe	Pro	Glu	405	410	415
Glu	His	Ser	Ile	Glu	Ile	Glu	Gln	Leu	Val	Glu	Tyr	Trp	Val	Gly	Glu	420	425	430
Gly	Phe	Leu	Thr	Ser	Ser	His	Gly	Val	Asn	Thr	Ile	Tyr	Lys	Gly	Tyr	435	440	445
Phe	Leu	Ile	Gly	Asp	Leu	Lys	Ala	Ala	Cys	Leu	Leu	Glu	Thr	Gly	Asp	450	455	460
Glu	Lys	Thr	Gln	Val	Lys	Met	His	Asn	Val	Val	Arg	Ser	Phe	Ala	Leu	465	470	475
Trp	Met	Ala	Ser	Glu	Gln	Gly	Thr	Tyr	Lys	Glu	Leu	Ile	Leu	Val	Glu	485	490	495
Pro	Ser	Met	Gly	His	Thr	Glu	Ala	Pro	Lys	Ala	Glu	Asn	Trp	Arg	Gln	500	505	510
Ala	Leu	Val	Ile	Ser	Leu	Leu	Asp	Asn	Arg	Ile	Gln	Thr	Leu	Pro	Glu	515	520	525
Lys	Leu	Ile	Cys	Pro	Lys	Leu	Thr	Thr	Leu	Met	Leu	Gln	Asn	Ser		530	535	540
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Ile	Ser	Val	Leu	Pro	Gln	Glu	Leu	Gly	Asn	Leu	Arg	Lys	Leu	Lys	His	595	600	605
Leu	Asp	Leu	Gln	Arg	Thr	Gln	Phe	Leu	Gln	Thr	Ile	Pro	Arg	Asp	Ala	610	615	620
Ile	Cys	Trp	Leu	Ser	Lys	Leu	Glu	Val	Leu	Asn	Leu	Tyr	Tyr	Ser	Tyr	625	630	635
Ala	Gly	Trp	Glu	Leu	Gln	Ser	Phe	Gly	Glu	Asp	Glu	Ala	Glu	Glu	Leu	645	650	655
Gly	Phe	Ala	Asp	Leu	Glu	Tyr	Leu	Glu	Asn	Leu	Thr	Thr	Leu	Gly	Ile	660	665	670
Thr	Val	Leu	Ser	Leu	Glu	Thr	Leu	Lys	Thr	Leu	Phe	Glu	Phe	Gly	Ala	675	680	685
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Asp	Cys	Leu	Arg	Asn	Ile	Arg	Cys	Ile	Asn	Ile	Ser	His	Cys	Asn	Lys	770	775	780
Leu	Lys	Asn	Val	Ser	Trp	Val	Gln	Lys	Leu	Pro	Lys	Leu	Glu	Val	Ile	785	790	795
Glu	Leu	Phe	Asp	Cys	Arg	Glu	Ile	Glu	Glu	Leu	Ile	Ser	Glu	His	Glu	805	810	815
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